Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

No. **1st & Final bill** (For Other Works) Date ..... 20 .....

AEE, YSTSD
SBR No: 77/21-22
Date: 23/9/2021

Division: Yelahanka.
Sub Division: Yelahanka Satellite Town.
Bill Received No ..... Dated ..... Cash Book Voucher No ..... dated .....
Scheduled Docket No .....

Name of Work: Improvements to Cross Roads at Escort Layout and Chikkadinne in Ward no-03.

Job Code No: 003-20-000254 **Est. cost: 30.00 lakhs**

Name of Contractor and Full Address : Sri. R. Ranganath, Bangalore.

Work Order No: **BBMP/EE/YNK.D/EPMT-01/W.O/ 15 /2020-21,** **Dated : 11. 11. 2020 .**

Certified that the measurements were taken by me on 8/2/2021 and recorded in pages 4935/0 to 4935/2 of measurement Book No 4936/2020-21 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work** 8/2/2021

08/02/2021

Certified that the measurements were taken by me on ..... and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ. Sub-Division Officer ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being ..... percent Rs .....
3) Deduct amount to be held in Balance
4) Deduct Payment
   a) Amount of previous payment as in the Office Cash Book Voucher No ..... Dated ..... S D No .....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No ..... date ..... less adjustments
7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within value of Governme... materials supplied

Gross Amt = Rs	29,95,562-00
FSD	149779-00
COST	26743-00
SGST	26743-00
IT	29956-00
LC	29956-00
CBF	2996-00
Royalt...	28493-00
T D = Rs	2,94,674-00
Net Amount	27,00,888-00

Contractor's Signature

Received Rs ..... (in words)
By Cash and by adjustment of Payment as per memorandum

Witnesses :

1.
2.

Dated ..... Signature of Contractor

(For use in the Office)

Audited & Admitted for Rs. 29,95,562-00
Twenty Nine lakh Ninty five Hund Five hund Sixty two.
27,00,888-00 by Cheque
and Rs. 2,94,674-00 by adjustment

Accts. Supdt.
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
BBMP

Paid by me by cheque No ..... Dated .....

Cash Rs ..... Dated .....

Initials of Officer Making Payment

Executive Engineer

Name of Work:Improvements to Cross Roads at Escort Layout and Chikkadinne in Ward no-03

ABSTRACT

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Removing and refixing stone slabs of drains and pointing in CM (1:3)	Sqm	216.56	111.30	24104.00	-	-	216.55	111.30	24103.00	216.55	24103.00
2	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.	Cum	295.72	215.28	63663.00	-	-	295.11	215.28	63531.00	295.11	63531.00
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per	Cum	37.62	5421.90	203972.00	-	-	37.62	5421.90	203972.00	37.62	203972.00
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification.	Cum	71.82	7070.20	507782.00	-	-	71.72	7070.20	507082.00	71.72	507082.00
5	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever	Tn	4.31	73992.24	318848.00	-	-	4.30	73992.24	318466.00	4.30	318466.00
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5 cms thick	Sqm	144.38	742.00	107127.00	-	-	143.88	742.00	106759.00	143.88	106759.00
7	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5.3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	265.68	2337.00	620895.00	-	-	265.68	2337.00	620895.00	265.68	620895.00
8	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.	Cum	321.13	63.94	20533.00	-	-	320.46	63.94	20491.00	320.46	20491.00
9	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per	Sqm	717.50	6.36	4564.00			659.18	6.36	4193.00	659.18	4193.00
10	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications	Cum	107.63	1994.92	214704.00	-	-	107.61	1994.92	214675.00	107.61	214675.00

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
11	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	143.50	2001.28	287184.00	-	-	143.48	2001.28	287146.00	143.48	28714600
12	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	717.50	28.62	20535.00	-	-	717.41	28.62	20533.00	717.41	20533.00
13	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	11.28	6597.44	74387.00	-	-	11.27	6597.44	74338.00	11.27	74338.00
14	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	717.50	12.72	9127.00	-	-	717.41	12.72	9126.00	717.41	9126.00
15	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	21.53	7753.90	166903.00	-	-	21.52	7753.90	166881.00	21.52	16688100
16	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	35.00	454.74	15916.00	-	-	33.58	454.74	15271.00	33.58	1527100

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
17	KSRRB MS00-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos	48.00	357.22	17147.00	-	-	48.00	357.22	17147.00	48.00	17147.00
	Total				2677391.00					2674609.00		2674609.00
	GST 12%				321286.92					320953.08		320953.08
	Grand Total				2998830.00					2995562.08		2995562.08

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

Assistant Engineer

8/2/2024

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ಯಲಹಂಕ ಉಪವಿಭಾಗ.
ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10

Assistant Executive Engineer